

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter.

1. - 32. (Previously Cancelled)

33. (Currently Amended) A system for communicating information to a predetermined location, the system comprising:

D¹
an extremely low-power transmitter configured to wirelessly transmit an extremely low-power signal comprising the information;

a central location configured to receive the information and communicate via telephone line in the public service telephone network (PSTN); and

a transceiver, located remote from, but in close proximity to the transmitter and configured to establish communication with the central location based on a telephone number included in the low-power signal, the transceiver comprising:

a line interface circuit configured to interface with the telephone line;
~~wherein the telephone line is part of the public service telephone network (PSTN);~~
and

a controller configured to receive the low-power signal and communicate the information over the telephone line to the central location;

~~a central location, located remotely from the transceiver, configured to communicate with the transceiver via the telephone line and receive the information.~~

34. (Cancelled)

35. (Original) The system of claim 33, wherein the low power signal further comprises a logical I.P. such that the transceiver can route the information to the central station.

36. (Original) The system of claim 33, wherein the transmitter is configured to transmit a low power radio frequency (RF) signal.

37. (Original) The system of claim 33, wherein the information comprises a transmitter identifier code, a unique transmission destination address, and a burst transmission length identifier.

38. (Original) The system of claim 33, wherein the controller is further configured to communicate a transceiver identification code to the central station.

39. (Original) The system of claim 38, wherein the central location comprises means for evaluating the transceiver identification code.

40. (Original) The system of claim 39, wherein the evaluating means further determines geographical location of the transceiver based upon the transceiver identification code.

41. (Original) The system of claim 33, wherein the central location comprises means for notifying service personnel in response to the information.

42. (Original) The system as defined in claim 37, wherein the transmitted signal further comprises:

a message identification field;
a packet identification field; and
a data field.

43. (Original) The system as defined in claim 37, wherein the unique transmission destination address is an Internet protocol (IP) address.

44. (Original) The system as defined in claim 42, wherein the transmitted signal further comprises:

D' a field adaptively configured for data transmission error correction.

45. (Original) The system as defined in claim 42, wherein the transmitted signal further comprises:

a field configured to indicate to a destination device that a subsequent message is to follow.

46. (Currently Amended) A method for communicating information to a predetermined location, the method comprising:

wirelessly transmitting an information signal from an extremely low-power transmitter to a remote transceiver, wherein the information signal is an extremely low-power signal including a telephone number of a central location;

receiving the information signal by remote transceiver;

placing a telephone call from circuitry coupled to the transceiver to a the central location identified by the telephone number via a phone line which comprises part of a public switched telephone network (PSTN);

communicating at least a portion of the information signal from the transceiver to the central location; and

decoding at least a portion of the information signal by the central location.

47. (Original) The method of claim 46, wherein the method further comprises:
- communicating a transceiver identification code from the transceiver to the central location.

48. (Original) The method of claim 47, wherein decoding further comprises:
- decoding the transceiver identification code.

49. (Original) The method of claim 47, wherein the method further comprises:
- evaluating the transceiver identification code; and
- determining a geographical location of the transceiver based upon the evaluating step.

50. (Original) The method of claim 46, wherein the information signal further comprises a transmitter identification code.

51. (Cancelled)

52. (Original) The method of claim 46, wherein the information signal further comprises a logical IP address of the central location.

53. (Original) The method of claim 50, wherein decoding further comprises:
decoding the transmitter identification code.

54. (Original) The method of claim 53, wherein the method further comprises:
evaluating the transmitter identification code, and determining a geographic location of the transmitter based upon the evaluating step.

55. (Currently Amended) A system for communicating information to a central location, the system comprising:

means for wirelessly transmitting an extremely low-power signal comprising the information, the information including a telephone number;

means for receiving the extremely low-power signal, the means for receiving being remote but within close proximity to the wireless transmitting means;

means for telephonically transmitting the information to the central location identified by the telephone number via a public service telephone network (PSTN); and

means for receiving the information at the central location.

56. (Cancelled)

57. (Original) The system of claim 55, wherein the low powered signal further comprises a logical IP address, and wherein the means for telephonically transmitting accesses the central location via the logical IP address.
58. (Original) The system of claim 55, wherein the low power signal is a low power RF signal.
59. (Original) The system of claim 55, wherein the low power signal is a low power infrared (IR) signal.
60. (Original) The system of claim 55, wherein the low power signal is a low power ultrasound signal.
61. (Original) The system of claim 55, wherein the low powered signal comprises a transmitter identifier code, a unique transmission destination address, and a burst transmission length identifier.
- (Original) The system of claim 55, wherein the means for telephonically transmitting further communicates a transceiver identification code of the means for receiving the information.
63. (Original) The system of claim 62, wherein the means for receiving the low powered signal further comprises the means for evaluating the transceiver identification code.

64. (Original) The system of claim 63, wherein the evaluating means further determines a geographical location of the transceiver.

65. (Original) The system of claim 55, wherein the means for receiving the low powered signal further comprises means for notification in response to the information.

66. (Currently Amended) A transceiver that wirelessly communicates with a transmitter and telephonically communicates with a central location, the transceiver comprising:

a wireless receiver configured to wirelessly receive a low-power signal, the low-power signal being wirelessly transmitted in close proximity to the receiver, the low-power signal comprising encoded information and a telephone number;

a telephonic transmitter configured to transmit a formatted electric signal over a telephone line to a destination identified by the telephone number, the telephone line comprising part of the public switched telephone network (~~PTSN~~ PSTN); and

a controller comprising:

a first portion, connected to the wireless receiver, configured to obtain the information encoded in the received low-power signal; and

a second portion, connected to the telephonic transmitter, configured to deliver the obtained information to the transmitter.

67. (Original) The transceiver of claim 66, wherein the controller is a programmable circuit.

68. (Original) The transceiver of claim 66, wherein the controller further comprises a look-up table configured to decode the encoded information.

69. (Original) The transceiver of claim 66, wherein the low power signal is a low power RF signal.

70. (Original) The transceiver of claim 66, wherein the low power signal is a low power IR signal.

71. (Original) The transceiver of claim 66, wherein the low power signal is a low power ultrasound signal.

72. (Currently Amended) A method for relaying an electronic message from an extremely low-power transmitter to a central location, the method comprising:

wirelessly transmitting an information signal from the transmitter to a remotely located transceiver, the information signal comprising a unique message, wherein the transmitter is in close proximity to the transceiver;

receiving the information by the remotely located transceiver;

placing a telephone call from the transceiver to the central location, the central location being identified by a phone number contained within the information signal, over a phone line comprising part of a ~~PTSN~~ public switched telephone network (PSTN); and

communicating the unique message code from the transceiver to the central location.

73. (Currently Amended) A transceiver comprising:

means for receiving an extremely low-power electromagnetic signal, the electromagnetic signal including an encoded message code and a telephone number;

means for transmitting a formatted electric signal over a phone line to a predetermined destination identified by the telephone number comprising part of the public switched telephone network (PSTN); and

means for obtaining the message code from the electric signal and delivering the obtained code to the means for transmitting over the phone line ~~to a predetermined destination.~~
